

CLAIMS

1. An industrial robot (1) comprising a control unit and a manipulator (2) and equipment which needs electric power, gas or liquid provided through power cables or hoses which
5 are arranged in a manner **characterized** by a strain relief unit comprised of an openable enclosing element, which is adapted to be detachably attached with means for releasing strain in a bunch of cables and hoses, through the frictional force provided between the element and cables or
10 hoses and between cables and hoses themselves.

2. An industrial robot according to claim 1, **characterized** in that the radial thickness of an openable enclosing element is adapted to obtain the required frictional force
15 between the strain relief unit and the cables or hoses and between the cables and hoses themselves.

3. An industrial robot according to claim 1, **characterized** in that a strain relief unit is comprised of a material with surface properties providing a significant frictional force
20 between the strain relief unit and the cables or hoses.

4. An industrial robot according to claim 1, **characterized** in that the inner surface of the strain relief unit
25 comprises friction-increasing means.

5. An industrial robot according to claim 1 and 4, **characterized** in that the inner surface of the strain relief unit is formed or machined to create a significant friction
30 force between strain relief unit and the cables or hoses.

6. An industrial robot according to claims 1-5, **characterized** in that the strain relief unit is made of a polymeric material.
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7. An industrial robot according to claims 1-6, **characterized** in that the strain relief unit is made of an elastomeric polymeric material.

8. An industrial robot according to claims 1-7,
characterized in that the strain relief unit is made of a
polyurethane-based polymeric material.

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